

**FAG****230SM280-MA**

## Spherical Roller Bearing

Spherical roller bearings 230SM, Split spherical roller bearings

## Technical information

**Your current product variant**

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	MA	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	
Splitted	SM	Split bearing metric

**Main Dimensions & Performance Data**

d	280 mm	Bore diameter
D	460 mm	Outside diameter
C	118 mm	Width, outer ring
$C_r$	1.590.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.800.000 N	Basic static load rating, radial
$C_{ur}$	232.000 N	Fatigue load limit, radial
$n_G$	590 1/min	Limiting speed
$F_{a\ max}$	32.000 N	Maximum axial load
$\approx m$	93,5 kg	Weight

**Mounting dimensions**

$M_i$	120 Nm	Tightening torque clamping screw
$M_a$	69 Nm	Tightening torque clamping screw



### Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$d_1$	280 mm	Bore diameter IR/WS
B	176 mm	Width inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

### Calculation factors

e	0,22	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,04	Dynamic axial load factor
$Y_2$	4,53	Dynamic axial load factor
$Y_0$	2,97	Static axial load factor











### Additional information

23060K	Bearing designation
H3060	Adapter sleeve
SNS3060-H-D	Housing



### Characteristics

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-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Split
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment